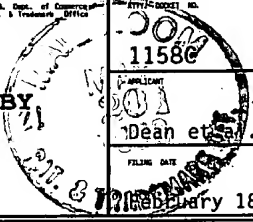


Form PTO-1402 U.S. Dept. of Commerce Patent & Trademark Office		SERIAL NO. 08/019,011 FILING DATE January 18, 1993 GROUP 4205 / 202
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	AA	4,797,413	01/10/89	Baldwin et al.	514	432	
<i>[Signature]</i>	AB	4,847,289	07/11/89	Baldwin et al.	514	445	
<i>[Signature]</i>	AC	4,731,368	03/15/88	Hoffman, Jr., et al.	514	301	
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<i>[Signature]</i>	AE	4,619,939	10/28/86	Maren	514	363	
	AF						
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	AH						
	AI						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>[Signature]</i>	AL	1,516,024	06/28/78	United Kingdom				
<i>[Signature]</i>	AM	1,096,916	01/12/61	Germany (Canadian Patent No. 661,731 is the English language equivalent)	12q			
<i>[Signature]</i>	AN	661731	4/23/63	Canada				
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	AR	"The Reactions of Some Thiophene Sulfonyl Derivatives," Cremlyn et al., <u>Phosphorus and Sulfur</u> , Vol. 10, pp. 111-119, 1981
<i>[Signature]</i>	AS	"Studien in der Thiophenreihe. XXIV. ² Über Nitrothiophene and Thiophensulfochloride," Steinkopf et al., <u>Justus Liebigs Annalen Der Chemie</u> , Vol. 501, pp. 174-186, 1933
<i>[Signature]</i>	AT	"Heterocyclic Disulphonamides and Their Diuretic Properties," deStevens et al., <u>Journal of Medicinal and Pharmaceutical Chemistry</u> , Vol. 1(6), pp. 565-576, 1959

EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: 12-21-93
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-140 U.S. Dept. of Commerce Patent & Trademark Office	ATTY. DOCKET NO. 058C MAY 20 1993 Dean et al. Filing Date February 18, 1993	SERIAL NO. 08/019,011 CLASS 1205 1202
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EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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	AR	Gronowitz et al., Thiophene and its Derivatives, Vol. 44, Pt. 3, p. 135-307. (1986)
	AS	
	AT	

EXAMINER:	DATE CONSIDERED: 12-21-93
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